

FINAL PERMIT CONDITIONS

Methyl Bromide
Commodity Fumigation

GENERAL INFORMATION

Fumigation Site: _____

Address: _____ City: _____ Zip: _____

Contact Person: _____ Phone: _____

Pest Control Business: _____ Permit Number: _____

Address: _____ City: _____ Zip: _____

Contact Person: _____ Phone: _____

I VERIFY THAT THE ATTACHED PERMIT CONDITIONS WILL BE FOLLOWED

Permit Applicant: _____ Date: _____

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GENERAL CONDITIONS

Methyl Bromide Limits
Special Site Requirements

1: Maximum Application Rate

Work Site Plan B.1

A maximum application rate of 8 pounds per 1000 cubic feet or the rate specified by the label may be used, whichever is less.

- ☐ Complies
☐ Does Not Apply
☐ Alternative: _____

See page 7 for possible additional restrictions to comply with the buffer zones.

2: Total Methyl Bromide

Work Site Plan B.2

The total amount of methyl bromide per work site must not exceed 1000 pounds in a 24-hour period.

- ☐ Complies
☐ Does Not Apply
☐ Alternative: _____

See page 7 for possible additional restrictions to comply with the buffer zones.

3: Other Types of Applications

Work Site Plan B.3

No other types of methyl bromide applications (e.g. field, greenhouse, potting soil, structural) can occur at the work site for the preceding 48 hours or the following 24 hours of a commodity application.

- ☐ Complies
☐ Does Not Apply
☐ Alternative: _____

4: Enclosed Area and Common Walls

Work Site Plan B.4 & 5

The following types of fumigations are prohibited:

- those inside an enclosed area with people present
- enclosures which share a common wall with another enclosed area with people present

- ☐ Complies
☐ Does Not Apply
☐ Alternative: _____

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Fumigation Equipment and
Introduction

5: Outside Introduction

Application from outside the enclosure through a closed system is required. Releasing methyl bromide from inside the enclosure is prohibited.

Work Site Plan B.6

- ☐ Complies
☐ Does Not Apply
☐ Alternative: _____

6: Gas-tight Fumigant Lines

All fumigant lines must be gas-tight. Fumigant lines, valves, fittings, etc. which are routinely adjusted or changed must be checked for leaks after each adjustment.

Work Site Plan B.7

- ☐ Complies
☐ Does Not Apply
☐ Alternative: _____

7: Test Equipment Seals

The enclosure must be sealed where instrument sampling lines pass through enclosure walls.

Work Site Plan B.8

- ☐ Complies
☐ Does Not Apply
☐ Alternative: _____

8: Test Equipment Exhaust

Exhaust from sampling equipment must be vented away from people and to outside air or back into the enclosure.

Work Site Plan B.9

- ☐ Complies
☐ Does Not Apply
☐ Alternative: _____

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Introduction

9: Fumigant Line Purge

Work Site Plan B.10

When introducing methyl bromide from an enclosed control room, applicators must use nitrogen gas or compressed air to purge fumigant lines prior to changing cylinders.

- ☐ Complies
☐ Does Not Apply
☐ Alternative: _____

10: Control Room Ventilation

Work Site Plan B.11

Enclosed control rooms must be mechanically ventilated during fumigation if workers are present.

- ☐ Complies
☐ Does Not Apply
☐ Alternative: _____

11: Control Room Storage

Work Site Plan B.12

Methyl bromide cylinders must not be stored inside enclosed control rooms.

- ☐ Complies
☐ Does Not Apply
☐ Alternative: _____

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Aeration Requirements

12: Aeration Initiation

Work Site Plan B.13

Persons who initiate aeration by manually breaking a seal must wear a self-contained breathing apparatus (SCBA). Exception: enclosures for which aeration is initiated remotely, such as chambers.

- ☐ Complies
☐ Does Not Apply
☐ Alternative: _____

13: Aeration During Daylight

Work Site Plan D.3

Aeration must be initiated during daylight hours. Exception: Enclosures which aerate using an exhaust stack meeting the standard height requirements may exhaust at any time.

- ☐ Complies
☐ Does Not Apply
☐ Alternative: _____

14: Minimum Aeration Times

Work Site Plan
B.14 & B.15

Enclosures must be aerated for the following minimum duration:
a. 4 hours if mechanically ventilated using fans, or
b. 12 hours if passively ventilated

- ☐ Complies
☐ Does Not Apply
☐ Alternative: _____

15: Testing Aeration Completeness

Work Site Plan B.16

The concentration of methyl bromide in the air spaces between the stacked commodity must be less than 5 ppm before the commodity can be moved from the enclosure. Testing of this air space must be done according to approved procedures.

- ☐ Complies
☐ Does Not Apply
☐ Alternative: _____

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GENERAL CONDITIONS

Storage Requirements
Documentation Requirements

16: Enclosed Storage Areas

Work Site Plan
B.17 & B.18

Methyl bromide concentrations in enclosed areas (i.e. buildings, warehouses, silos, etc.) where fumigated commodities are stored must be less than 5 ppm before persons may enter. Testing of the air concentration must be done according to approved procedures. No individual may be inside the enclosed area for more than one hour in a 24-hour period.

- ☐ Complies
☐ Does Not Apply
☐ Alternative: _____

17: Work Site Plan

The enclosure operator and/or pest control business must complete or revise a Work Site Plan before receiving a permit.

- ☐ Complies
☐ Does Not Apply
☐ Alternative: _____

18: Test Results Documentation

Work Site Plan B.19

The enclosure operator must keep records of all test results for 2 years and make them available to the County Agricultural Commissioner and workers upon request.

- ☐ Complies
☐ Does Not Apply
☐ Alternative: _____

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SPECIFIC CONDITIONS

This part needs to be completed for each enclosure.

Enclosure Identification/Description: _____

(check one)

Work Site Plan C.1 - 11

- ☐ A1 - Pressure Tested/Standard Height Stack
- ☐ A2 - Pressure Tested/Minimum Stack
- ☐ A3 - Pressure Tested/No Stack
- ☐ B1 - Retention Tested or Untested/Standard Height Stack
- ☐ B2 - Retention Tested or Untested/Minimum Stack
- ☐ B3 - Retention Tested or Untested/No Stack

Ancillary Buffer Zone Requirements:

Maximum
Application Rate: _____

Maximum
Fumigated Volume: _____

Treatment
Duration: _____

Other Enclosures
Which May Be
Used Within 24 hrs: _____

19: Treatment Zone

Work Site Plan C.12 - 20

A treatment zone of _____ feet must be established around the enclosure during the fumigation treatment period. Only persons supervising and performing fumigation activities are permitted in the treatment zone during the treatment period. A separate treatment zone of _____ feet for workers may be used.

20: Aeration Zone

Work Site Plan C.12 - 20

An aeration zone of _____ feet must be maintained around an enclosure during the first portion of the aeration period. Only persons supervising and performing fumigation activities are permitted in the aeration zone. The aeration zone must remain in place for the first four hours of aeration or until the exhaust concentration is less than 5 ppm.

21: Vertical Stack Exhaust

Work Site Plan D.1, D.2

The stack must be vented vertically to the outside air. When exhausting, the top of the stack must be free of overhead obstructions.

- ☐ Complies
- ☐ Does Not Apply
- ☐ Alternative: _____

